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XRPX Acc No: N91-006860

Moisture trapping film for an electro-luminescent lamp - from a tacky adhesive layer having a water absorbing film on one or both sides

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Number of Countries: 005 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 405361	A	19910102	EP 90111887	A	19900622	199102 B
JP 3029291	A	19910207	JP 89162763	A	19890627	199112
US 5107175	A	19920421	US 90541688	A	19900621	199219
EP 405361	B1	19951018	EP 90111887	A	19900622	199546
DE 69023051	E	19951123	DE 623051	A	19900622	199601
			EP 90111887	A	19900622	

Priority Applications (No Type Date): JP 89162763 A 19890627

Cited Patents: 3. Jnl. Ref; EP 350907; EP 374050; FR 1309665; JP 1110955; JP 63218351; JP 63224944; US 3110837

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 405361	A				
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Designated States (Regional): DE FR GB

EP 405361	B1 E	5	H05B-033/04		
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Designated States (Regional): DE FR GB

DE 69023051	E		H05B-033/04	Based on patent EP 405361	
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Abstract (Basic): EP 405361 A

A moisture trapping film, used for electroluminescent lamps of the organic dispersion type, comprises a colourless transparent adhesive layer (A) provided on one or both sides of a water-absorbing film (B). (A) pref. has a thickness of 1-100 micron, is tacky at room temp. and is prepd. from material pref. selected from acrylic, polybutadiene, chloroprene, isoprene, silicone and polyurethane resins as well as natural rubber. (B) is pref. 20-500 micron thick and is prepd. from polyamide resin, polyvinyl alcohol, polyvinyl acetate, polyvinyl acetate alcohol or cellulose and derivs..

ADVANTAGE - The film does not peel on stamping or when used on curved surfaces. Lamination at lower temps. between the moisture trapping film and a moistureproof film is possible. (5pp Dwg.No.1/1)

Abstract (Equivalent): EP 405361 B

A moisture trapping film for EL lamps of the organic dispersion type wherein a colourless, transparent adhesive layer prepared from a material selected from the group consisting of acrylic resin, polybutadiene resin, chloroprene resin, isoprene resin, silicone resin, polyurethane resin, natural rubber and derivatives thereof having tackiness at room temperature is provided on one side or both sides of a colourless transparent water-absorbing film.

Dwg. 1/1

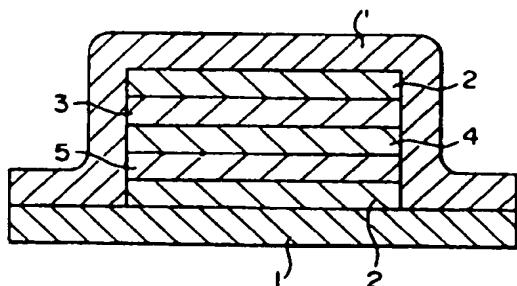
Abstract (Equivalent): US 5107175 A

A moisture trapping film for EL lamps of the organic dispersion type consists of a colourless, transparent adhesive layer having tackiness at room temp. provided on one side or both sides of a

colourless, transparent water-absorbing film.

Pref. the water-absorbing film is a polyamide resin, polyvinyl alcohol, etc. The adhesive is prepd. from pref. acrylic resin, polybutadiene resin, chloroprene resin etc.

ADVANTAGE - The moisture trapping film generates a peeling caused by the impact in the stamping process. (5pp)



- 1 : MOISTUREPROOF FILM
- 2 : MOISTURE TRAPPING FILM
- 3 : TRANSPARENT CONDUCTIVE FILM
- 4 : LUMINESCENT LAYER
- 5 : ALUMINUM ELECTRODE

Title Terms: MOIST; TRAP; FILM; ELECTRO; LUMINESCENT; LAMP; TACKIFIER;
ADHESIVE; LAYER; WATER; ABSORB; FILM; ONE; SIDE

Derwent Class: A85; G03; L03; U14; X26

International Patent Class (Additional): H05B-033/04

File Segment: CPI; EPI

Manual Codes (CPI/A-N): A09-A; A12-A; A12-E11; G03-B04; L03-C04

Manual Codes (EPI/S-X): U14-J; X26-X

Plasdoc Codes (KS): 0231 1990 2419 2437 2488 2513 3250 2589 2595 2654 3252

2670 2682 2683 2718 2726 2728 3278 2850 0013 1283 1294 1804 0486 0487

0009 1093 1100 0209 1107 1306 1987 0787 2007 1982 1974

Polymer Fragment Codes (PF):

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516 518 52& 523 532 533 535 54& 57& 575 596 597 600 609 623 627 650
688

002 014 028 034 04- 074 081 141 192 193 231 35& 351 431 435 443 446 47&
477 504 516 518 52& 523 532 533 535 54& 57& 575 596 597 600 609 623
627 650 688

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004 014 032 04- 117 123 141 231 35& 351 431 435 443 446 47& 477 504 516
518 52& 523 532 533 535 54& 57& 575 596 597 600 609 623 627 650 688

005 014 032 04- 062 063 117 124 141 231 35& 351 431 435 443 446 47& 477
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650 688

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